Dual Band ZAP
LEVEL 4 - Training

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Variants

ge 1: (CD 920)
t market launch - Black flipped variant only - standard displ

ge2: (CD 920) four weeks after Stage 1
rldwide launch of fully featured flipped variant, three differ
ours (Black, Steel Gray and Pin Blue).

ge 3: (CD 920 and CD930) four weeks after stage2
rldwide launch of fully featured flipless variant, three differ
ours (Black, Steel Gray and Pin Blue), holographic display.

Disassembly for ZAP

1. Remove Battery door by pressing down on latch and pulling.

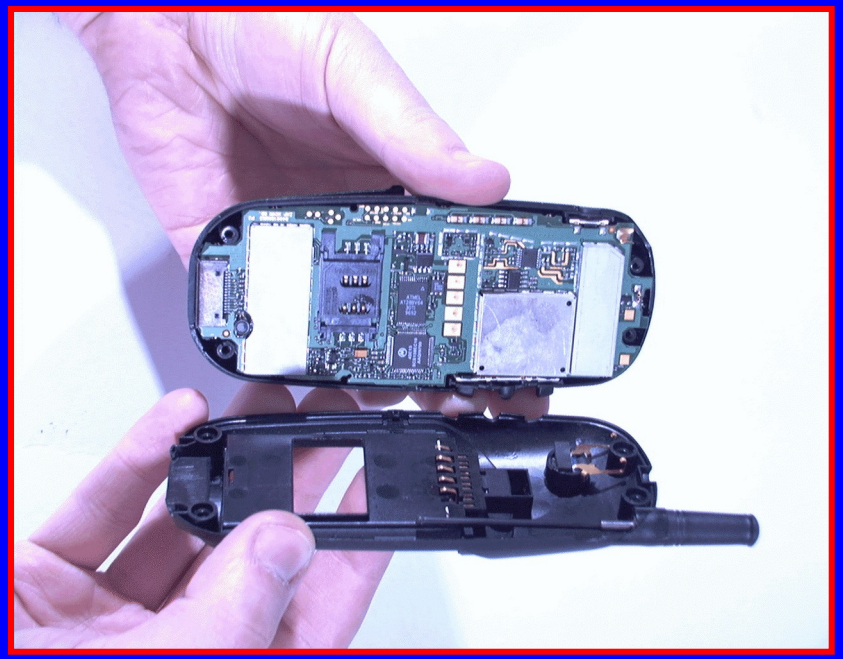
2. Remove the Battery by pushing from the bottom and lifting upwards.

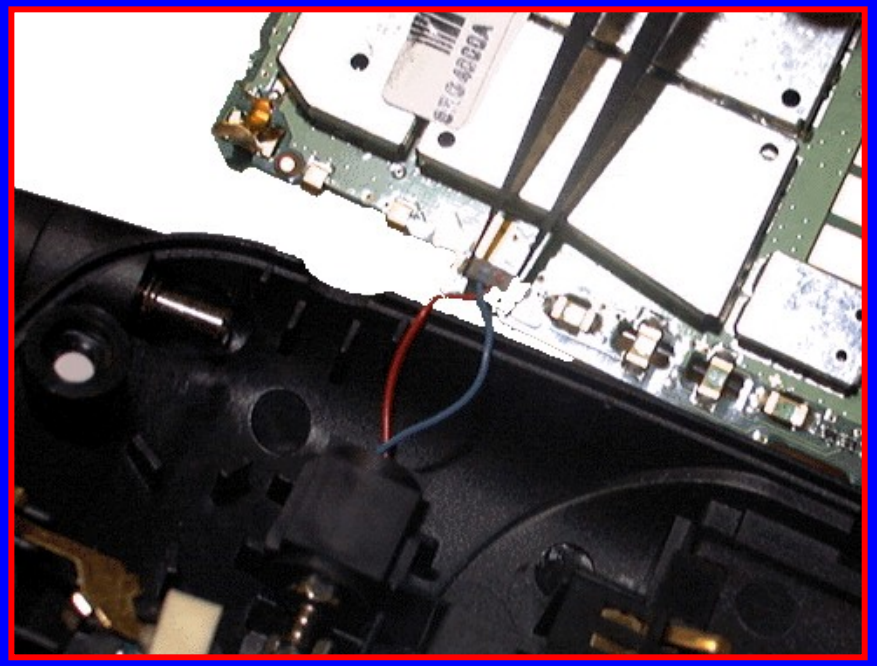
Disassembly for ZAP

3. Remove 4 screws with torque 7

4. Unscrew antenna and remove

Disassembly for ZAP

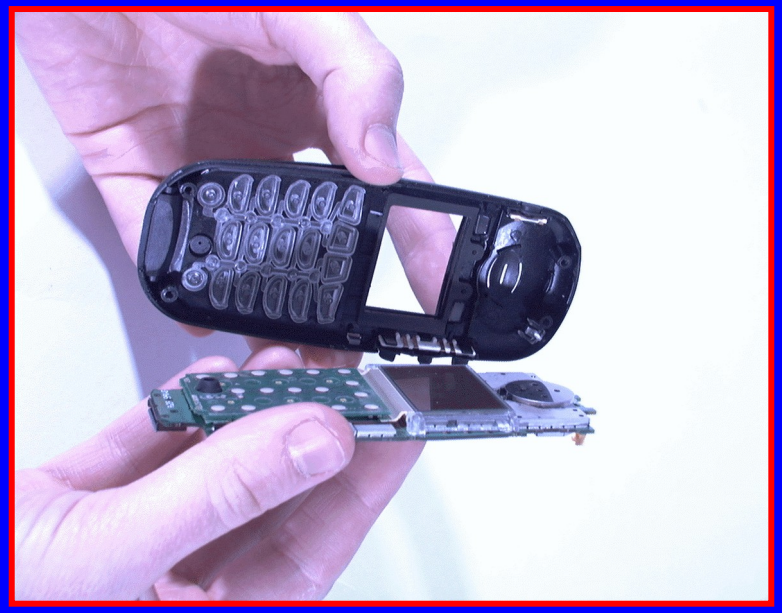




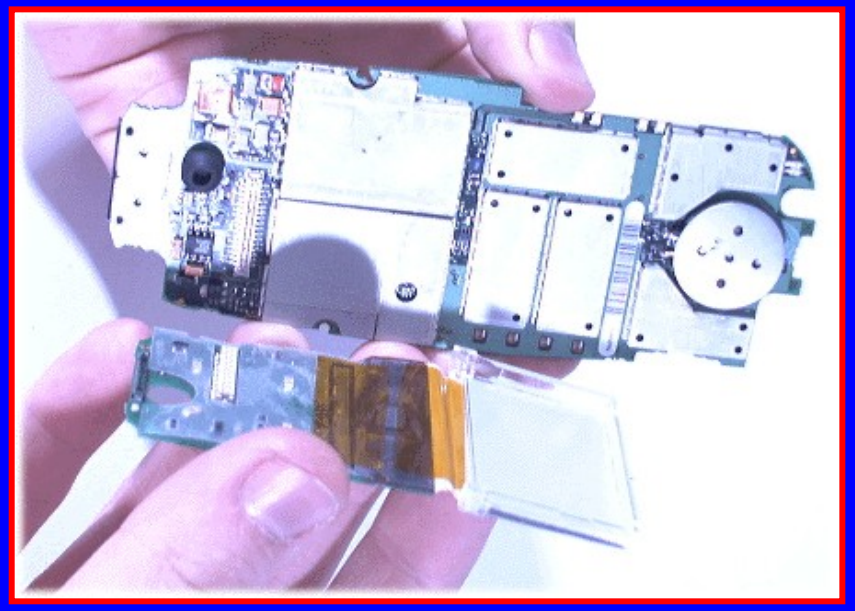
5. Remove with care the Backhousing from Unit

6. Remove vibrator connector from PCB with tweezers

Disassembly for ZAP

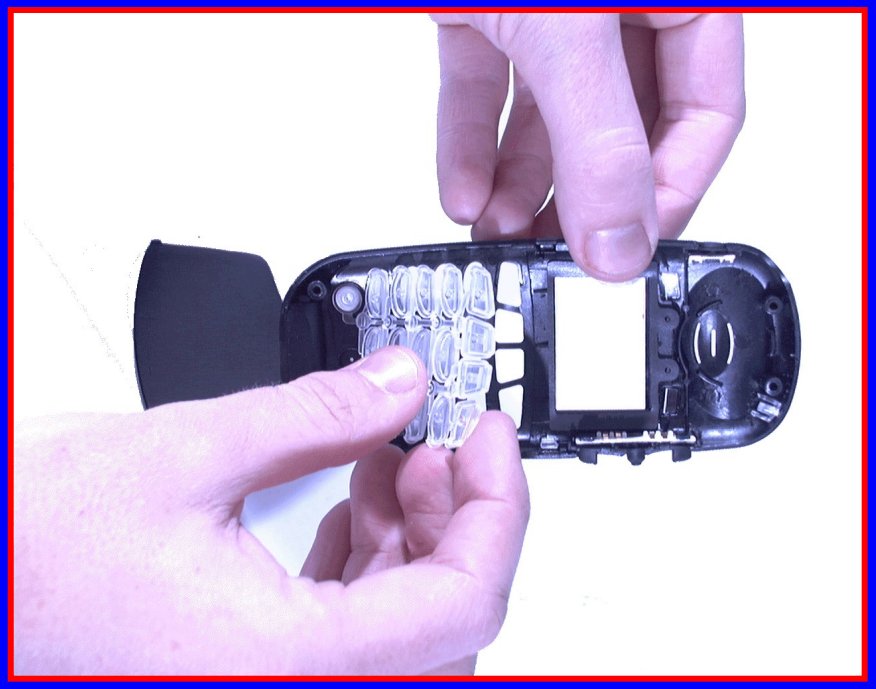


7. Detach PCB from front housing

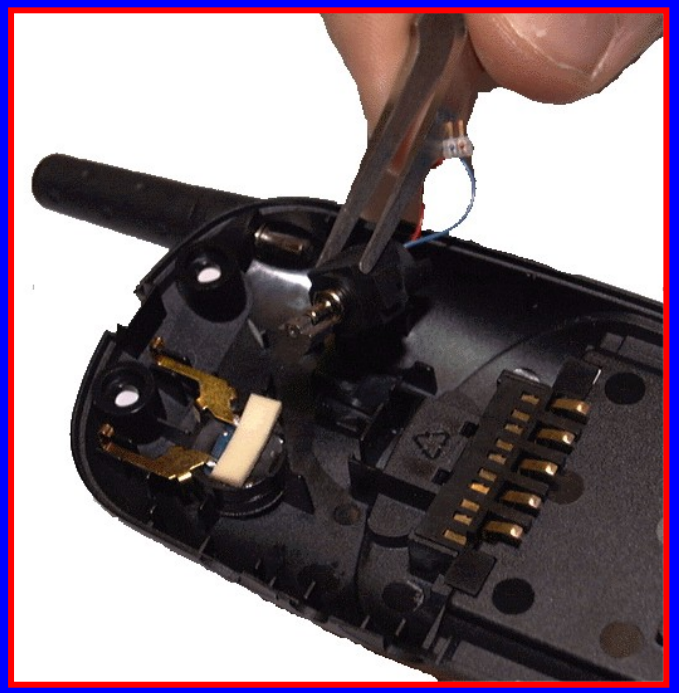


8. Remove display board from PCB

Disassembly for ZAP

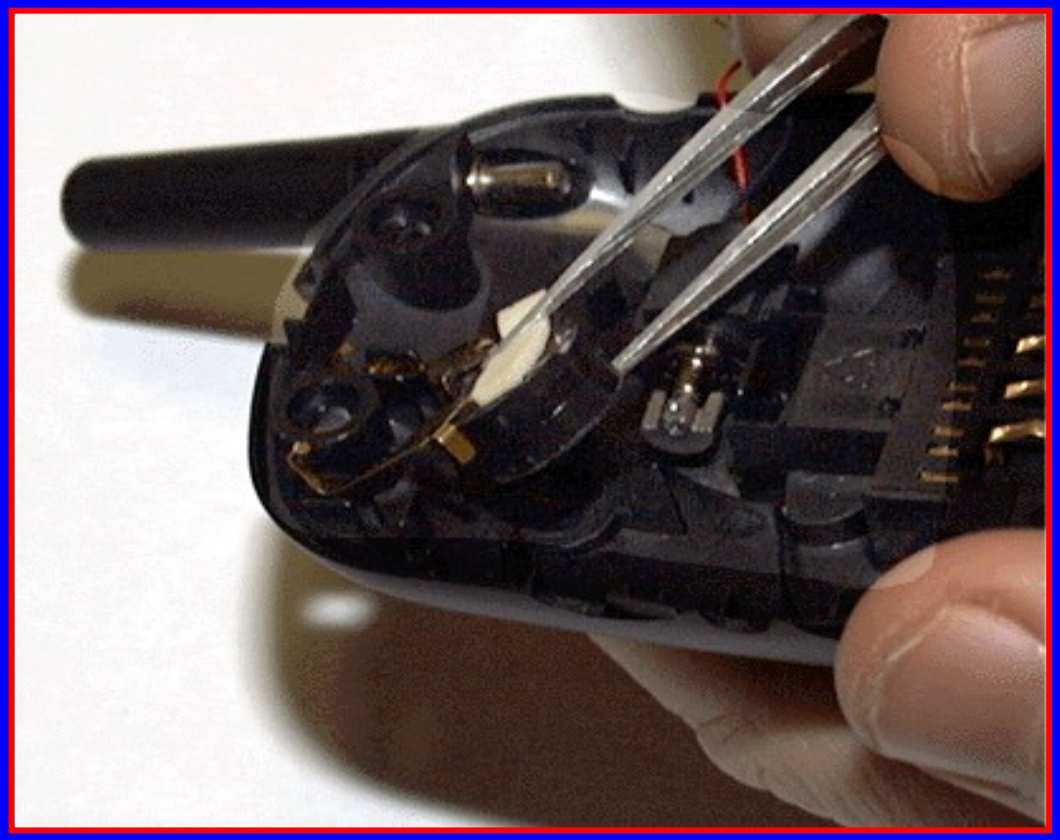


9. Remove Keypad from front housing



10. Remove vibrator from back housing

Disassembly for ZAP

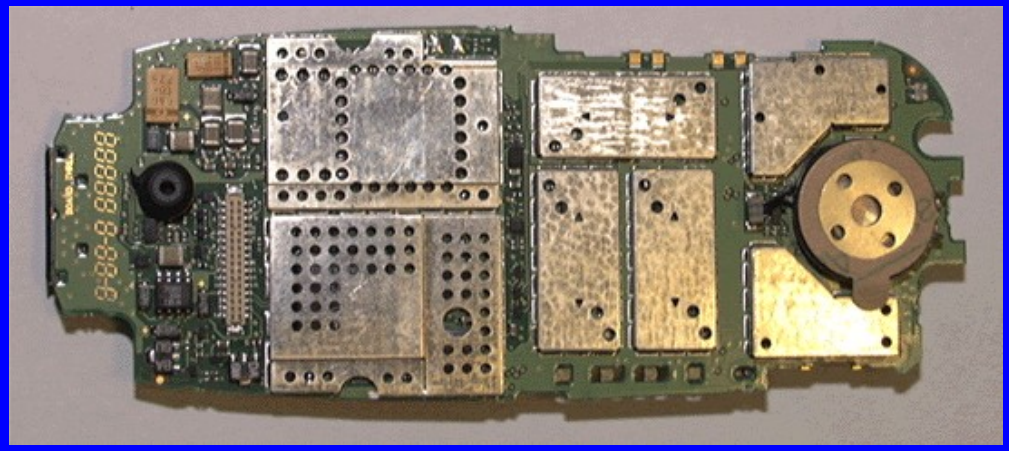


1. Prise alert from back housing by placing tweezers under

Mechanical Overview - Dual Band

- Mid Tier Product - Desktop charger, 4 Line Graphic Display, Data transfer possible.
- Flipped and non flipped Version
- 3 Cell Battery Used .
- Battery Door on Backhousing.
- Transceiver and Keyboard are separate PCBs.
- Wiring for vibrator only.
- No wiring for Speaker, Alert and Mic - Contact Pads and connector
- Off the shelf screw in Antenna
- Plastics have no shielding, so Logic is shielded as well as RF.
- No moon tyres or ground clips needed
- No Peel off cans like in Modulus used.
- Uses mini SIM with SIM Enabling Circuit.
- Auxilliary RF via Batt Plug Connector J600.
- Housings Screwed instead of being clipped.

Electrical Overview

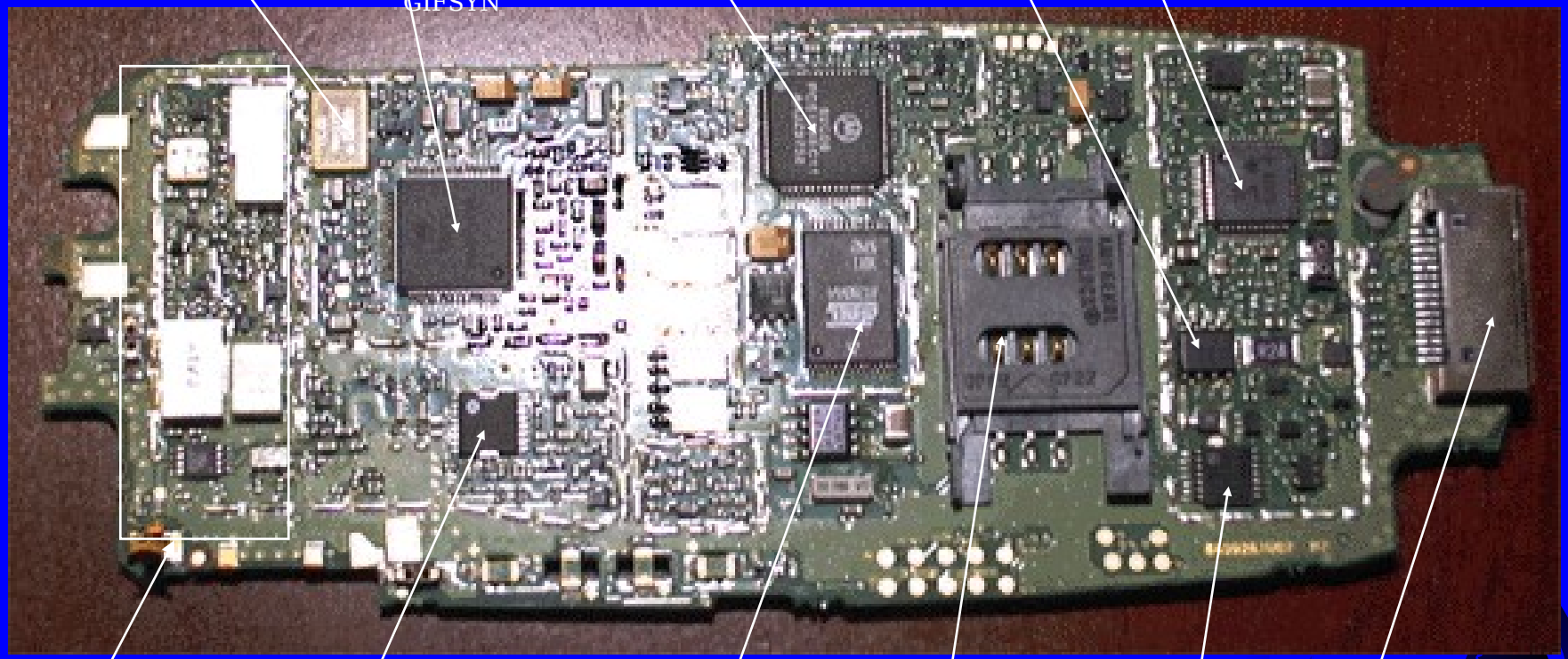


- 2.7V Chipset Technology as in 8700 / Modulus.
- Use BGA and uBJA Technologie. (Call Processor, SRAM, EPROM)
- Use SMOC IC. (Speech Modem Chip)
- GCAP used (Global Control Audio Power IC)
- Clock Modulation Circuit used to improve interference on certain channels
- E P Battery Charger like in StarTac.
- SIM Enabling Circuit Required as phone has no Presence Detect switch.
- Use Voice Annotation IC for recording receiving Audio and Voice Notes (3min)
- Use Interface Board for Volume/Mute and Voice Annotation Butter connected via Pads.
- Real Time Clock only supplied by battery on top the Shieds.

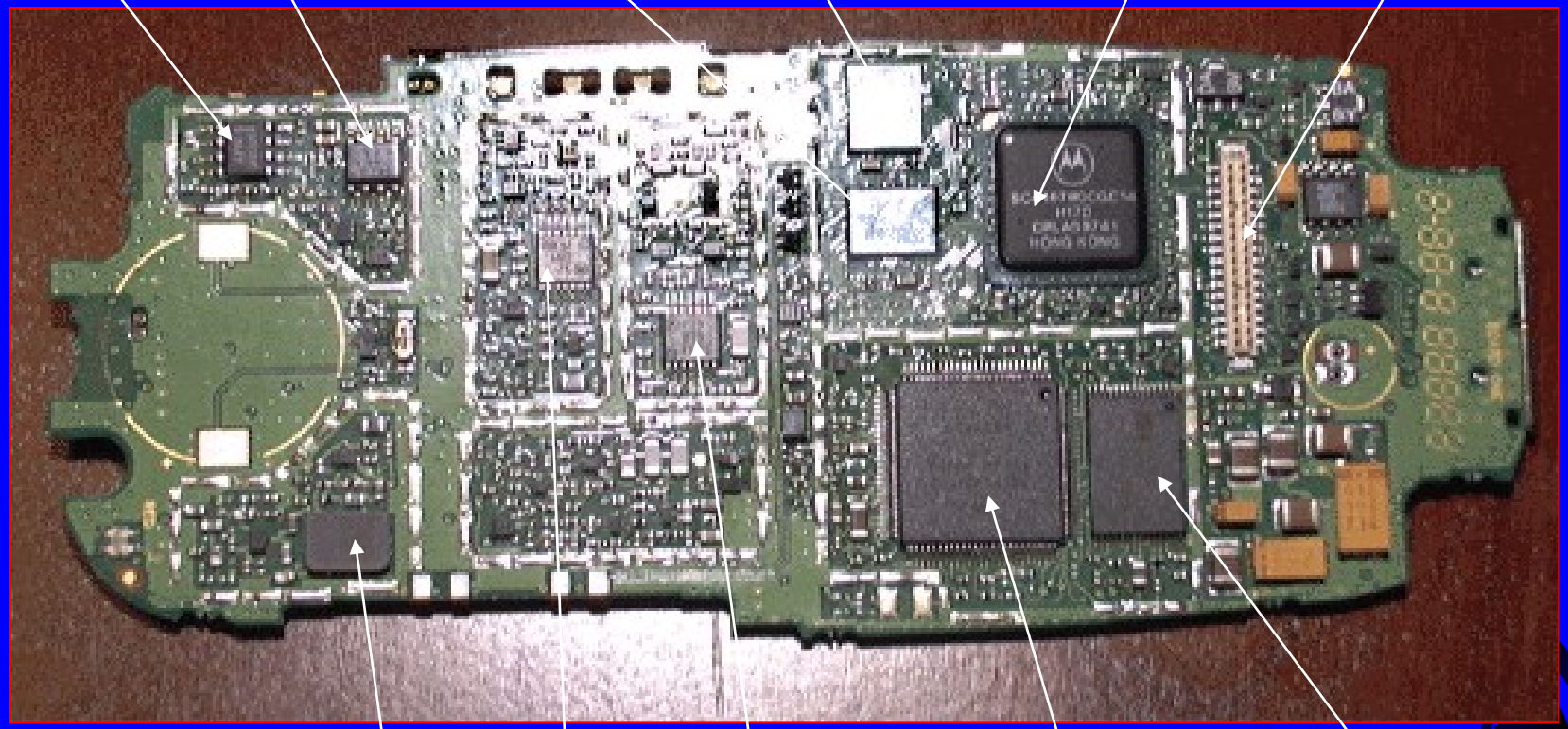
Frequencys

GSM / CHANNEL	Tx	Rx	MAIN VCO	Rx I.F	Rx IF LO	Tx I.F	Tx IF LO
1-Low	890.2	935.2	782.2	215	430	170	340
62-Middle	**902.4**	**947.4**	**794.4**	**215**	**430**	**170**	**340**
124-High	914.8	959.8	806.8	215	430	170	340
DCS / CHANNEL	**Tx**	**Rx**	**MAIN VCO**	**Rx I.F**	**Rx IF LO**	**Tx I.F**	**Tx IF LO**
512-Low	1710	1805	1590	215	430	120	240
700-Middle	**1747,8**	**1842,8**	**1627,8**	**215**	**430**	**120**	**240**
885-High	1785	1880	1665	215	430	120	240

Electrical Overview Bottomside



Electrical Overview Topside



Accessories

1. Universal Rapid Travel Charger
2. Desktop Charger with separate battery slot.
3. Cigarette Lighter Adapter
4. Headset (Personal Handsfree System)
5. Hang Up Cup
6. Plastic Holster
7. Leather Holster
8. Professional Hands Free Kit - with DSP - without HS
9. Professional Hands Free Kit - with DSP - and Voice Recognition